

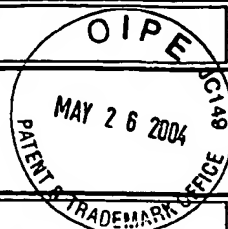
Form PTO 1449 (Rev. 2-32)				U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. SYN-088COB		Serial No. 10/810,879	
Information Disclosure Statement by Applicant						Applicant: Gillespie et al.			
(Use several sheets if necessary)						Filed: March 26, 2004 Group: 2673			
Foreign Documents									
							Translation		
Init.		Document No.	Date	Country	Class	Subclass	Yes	No	
VS	1	EP 0 187 372 A2	12/23/1985	Europe	G01B	7/00		X	
	2	EP 0 394 614 A2	10/31/1990	Europe	G06F	3/033		X	
	3	EP 0 490 001 A1	06/17/1992	Europe	G06F	3/033		X	
	4	EP 0 574 213 A1	12/15/1993	Europe	G06K	11/16		X	
	5	EP 0 589 498 A1	03/30/1994	Europe	G06K	11/16		X	
	6	EP 0 609 021 A2 & A3	08/03/1994	Europe	G06K	11/16		X	
	7	FR 2 662 528 A1	11/29/1991	France	G06K	11/16		X	
	8	GB 2 139 762 A	11/14/1984	Great Britain	G06F	3/033		X	
	9	GB 2 266 038 A	10/13/1993	Great Britain	G06F	3/033		X	
	10	GB 2 288 665 A	10/25/1995	Great Britain	G06K	11/12		X	
	11	JP 60 205625 A Eng. Lang. Abst.	10/17/1985	Japan	G06F	3/03		X	
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	13	JP 63 073415 A Eng. Lang. Abst.	04/04/1988	Japan	G06F	3/033		X	
	14	JP 02 040614 A Eng. Lang. Abst.	02/09/1990	Japan	G02F	1/133		X	
	15	JP 04 015725 A Eng. Lang. Abst.	01/21/1992	Japan	G06F	3/033		X	
	16	JP 06 139022 A Eng. Lang. Abst.	05/20/1994	Japan	G06F	3/033		X	
	17	JP 07 072 976 A Eng. Lang. Abst.	03/17/1995	Japan	G06F	3/033		X	
	18	WO 91/03039 A1	03/07/1991	PCT	G09G	3/02		X	
	19	WO 91/04633 A1	04/04/1991	PCT	H04N	3/15		X	
	20	WO 91/05327 A1	04/18/1991	PCT	G09G	3/02		X	
	21	WO 92/21091 A1	11/26/1992	PCT	G06F	15/403		X	
	22	WO 96/07966 A1	03/14/1996	PCT	G06F	3/033		X	
	23	WO 96/11435 A1	04/18/1996	PCT	G06F	3/033		X	
VS	24	WO 96/18179 A1	06/13/1996	PCT	G08C	21/00		X	
Examiner <u>V. Shankar</u>					Date Considered <u>3/3/05</u>				
Examiner: Initial if citation considered, whether or not citation is in conference with MPEP 609; Draw line through citation if not conformance and not considered. Include a copy of this form with the next communication to applicant.									

Form PTO 1449 (Rev. 2-32)		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. SYN-088COB		Serial No. 10/810,879	
Information Disclosure Statement by Applicant				Applicant: Gillespie et al.			
(Use several sheets if necessary)				Filed: March 26, 2004    Group: 2673			
Foreign Documents							
Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)							
✓	25	Chun, et al., "A High-Performance Silicon Tactile Imager Based on a Capacitive Cell", IEEE Transactions on Electron Devices, July 1985, Vol. ED-32, No. 7, pp. 1196-1201.					
	26	"Three-Axis Touch-Sensitive Pad", IBM Technical Disclosure Bulletin, January 1987, Vol. 29, No. 8, pp. 3451-3453.					
	27	B. Snider et al., "Super Paint", Silicon Beach Software, pp. 1-91, Addendum pp. 1-6, 1987.					
	28	Tiburtius, "Transparente Folientastaturen", Feinwerktechnik & Messtechnik 97, No. 7, Munchen, DE, July 1989, pp. 299-300.					
	29	"Pressure-Sensitive Icons", IBM Technical Disclosure Bulletin, June 1990, Vol. 33, No. 1B, pp. 277-278.					
	30	Author Unknown, "The UnMouse™ User's Guide, Version 4.0 for all PC computers, MicroTouch Systems Inc., pp. I-42, copyright 1990 (month unknown).					
	31	Wilton, Microsoft Windows 3 Developer's Workshop, 1991, pp. 229-230.					
	32	"Double-Click Generation Method for Pen Operations", IBM Technical Disclosure Bulletin, November 1992, Vol. 35, No. 6, p. 3.					
✓	33	"Scroll Control Box", IBM Technical Disclosure Bulletin, April 1993, Vol. 36, No. 4, pp. 399-403.					
Examiner		V-Shanika			Date Considered		3/3/05
Examiner: Initial if citation considered, whether or not citation is in conference with MPEP 609; Draw line through citation if not conformance and not considered. Include a copy of this form with the next communication to applicant.							

## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0



Title of Invention

OBJECT POSITION DETECTOR WITH EDGE MOTION FEATURE  
AND GESTURE RECOGNITION

Application Number: 10/810879

Confirmation Number: 9757

First Named Applicant: David Gillespie

Attorney Docket Number:

Search string: ( 4257117 or 4264903 or 4281323 or 4290052 or 4290061 or 4291303 or 4293734 or 4302011 or 4310839 or 4313113 or 4334219 or 4371746 or 4398181 or 4423286 or 4430917 or 4442317 or 4455452 or 4475235 or 4476436 or 4511760 or 4516112 or 4526043 or 4550221 or 4550310 or 4554409 or 4570149 or 4582955 or 4595913 or 4616107 or 4639720 or 4653107 or 4672154 or 4680430 or 4686332 or 4698461 or 4733222 or 4734685 or 4736191 or 4758690 or 4766423 or 4773024 or 4788385 or 4791286 or 4794208 or 4802103 or 4820886 or 4853498 or 4914624 or 4918262 ).pn.

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
✓	1	4257117	1981-03-17	Besson	A	368	69
	2	4264903	1981-04-28	Bigelow	A	340	365 C
	3	4281323	1981-07-28	Burnett et al.	A	340	712
	4	4290052	1981-09-15	Eichelberger et al.	A	340	365 C
	5	4290061	1981-09-15	Serrano	A	340	712
	6	4291303	1981-09-22	Cutler et al.	A	340	711
	7	4293734	1981-10-06	Pepper, Jr.	A	178	18
	8	4302011	1981-11-24	Pepper, Jr.	A	273	85
	9	4310839	1982-01-12	Schwerdt	A	340	712
	10	4313113	1982-01-26	Thornburg	A	340	709
	11	4334219	1982-06-08	Paulus et al.	A	340	712
	12	4371746	1983-02-01	Pepper, Jr.	A	178	18
	13	4398181	1983-08-09	Yamamoto	A	340	365 S
	14	4423286	1983-12-27	Bergeron	A	178	19
	15	4430917	1984-02-14	Pepper, Jr.	A	84	1.01
✓	16	4442317	1984-04-10	Jandrell	A	178	18

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Ex: V. Shankar

Date: 3/3/05

17	4455452	1984-06-19	Schuyler	A	178	18
18	4475235	1984-10-02	Graham	A	382	3
19	4476436	1984-10-09	Ng, et al.	A	340	712
20	4511760	1985-04-16	Garwin et al.	A	178	18
21	4516112	1985-05-07	Chen	A	340	365
22	4526043	1985-07-02	Boie et al.	A	73	862.04
23	4550221	1985-10-29	Mabusth	A	178	18
24	4550310	1985-10-29	Yamaguchi et al.	A	340	365
25	4554409	1985-11-19	Mitsui et al.	A	178	19
26	4570149	1986-02-11	Thornburg et al.	A	338	114
27	4582955	1986-04-15	Blessner	A	178	19
28	4595913	1986-06-17	Aubuchon	A	340	365
29	4616107	1986-10-07	Abe et al.	A	178	18
30	4639720	1987-01-27	Rympalski et al.	A	340	712
31	4653107	1987-03-24	Shojima et al.	A	382	13
32	4672154	1987-06-09	Rodgers et al.	A	178	19
33	4680430	1987-07-14	Yoshikawa et al.	A	178	19
34	4686332	1987-08-11	Greanias et al.	A	178	19
35	4698461	1987-10-06	Meadows et al.	A	178	19
36	4733222	1988-03-22	Evans	A	340	365 C
37	4734685	1988-03-29	Watanabe	A	340	710
38	4736191	1988-04-05	Matzke et al.	A	340	365 C
39	4758690	1988-07-19	Kimura	A	178	19
40	4766423	1988-08-23	Ono et al.	A	340	709
41	4773024	1988-09-20	Faggin et al.	A	364	513
42	4788385	1988-11-29	Kimura	A	178	19
43	4791286	1988-12-13	Wall	A	250	214 A
44	4794208	1988-12-27	Watson	A	178	19
45	4802103	1989-01-31	Faggin et al.	A	364	513
46	4820886	1989-04-11	Watson	A	178	19
47	4853498	1989-08-01	Meadows et al.	A	178	19
48	4914624	1990-04-03	Dunthorn	A	364	900
49	4918262	1990-04-17	Flowers et al.	A	178	19

Signature

Examiner Name	Date
V. Shanker	3/3/05

## ELECTRONIC INFORMATION DISCLOSURE STATEMENT O I P E

Electronic Version v18

Stylesheet Version v18.0



## Title of Invention

OBJECT POSITION DETECTOR WITH EDGE MOTION FEATURE  
AND GESTURE RECOGNITION

Application Number: 10/810879



Confirmation Number: 9757

First Named Applicant: David Gillespie

Attorney Docket Number:

Search string: ( 2219497 or RE23030 or 3128458 or 3207905 or 3244369 or 3401470 or 3437795 or 3482241 or 3492440 or 3493791 or 3497617 or 3497966 or 3516176 or 3522664 or 3530310 or 3543056 or 3549909 or 3593115 or 3598903 or 3617823 or 3662378 or 3675239 or 3683371 or 3696409 or 3732389 or 3737670 or 3757322 or 3760392 or 3773989 or 3875331 or 3921166 or 3931610 or 3932862 or 3974332 or 3992579 or 3999012 or 4056699 or 4058765 or 4071691 or 4087625 or 4103252 or 4129747 or 4148014 or 4177354 or 4177421 or 4198539 or 4221975 or 4224615 or 4232311 or 4246452 ).pn.

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
VS	1	2219497	1940-10-29	Stevens et al.	A	175	183
	2	RE23030	1948-08-24	Holt	A	35	1
	3	3128458	1964-04-07	Romero	A	340	337
	4	3207905	1965-09-21	Bray	A	250	206
	5	3244369	1966-04-05	Nassimbene	A	235	145
	6	3401470	1968-09-17	Gaven	A	35	9
	7	3437795	1969-04-08	Kuljian	A	235	61.1
	8	3482241	1969-12-02	Johnson	A	340	337
	9	3492440	1970-01-27	Cerbone et al.	A	179	90
	10	3493791	1970-02-03	Adelson et al.	A	307	252
	11	3497617	1970-02-24	Ellis et al.	A	178	19
	12	3497966	1970-03-03	Gaven	A	35	9
	13	3516176	1970-06-23	Cleary et al.	A	35	9
	14	3522664	1970-08-04	Lambright et al.	A	35	8
	15	3530310	1970-09-22	Adelson et al.	A	307	252
VS	16	3543056	1970-11-24	Klein	A	307	308

SUB\_TYPE=Information\_Disclosure\_Statement EFS\_ID=61513 APP\_ID=10810879 DOC\_TYPE=us-ids

Ex: V. Shankar / Date 3/3/05

✓	17	3549909	1970-12-22	Adelson et al.	A	307	252
	18	3593115	1971-07-13	Dym et al.	A	323	93
	19	3598903	1971-08-10	Johnson et al.	A	178	18
	20	3617823	1971-11-02	Hofstein	A	317	235
	21	3662378	1972-05-09	MacArthur	A	340	347 DD
	22	3675239	1972-07-04	Ackerman et al.	A	340	365
	23	3683371	1972-08-08	Holz	A	340	365
	24	3696409	1972-10-03	Braaten	A	340	365
	25	3732389	1973-05-08	Kaelin et al.	A	200	167 A
	26	3737670	1973-06-05	Larson	A	307	116
	27	3757322	1973-09-04	Barkan et al.	A	340	365 C
	28	3760392	1973-09-18	Stich	A	340	200
	29	3773989	1973-11-20	Hacon	A	200	52 R
	30	3875331	1975-04-01	Hasenbalg	A	178	19
	31	3921166	1975-11-18	Volpe	A	340	365 C
	32	3931610	1976-01-06	Marin et al.	A	340	172.5
	33	3932862	1976-01-13	Graven	A	340	324 M
	34	3974332	1976-08-10	Abe et al.	A	178	18
	35	3992579	1976-11-16	Dym et al.	A	178	18
	36	3999012	1976-12-21	Dym	A	178	18
	37	4056699	1977-11-01	Jordan	A	200	5 A
	38	4058765	1977-11-15	Richardson et al.	A	324	61 R
	39	4071691	1978-01-31	Pepper, Jr.	A	178	19
	40	4087625	1978-05-02	Dym et al.	A	178	19
	41	4103252	1978-07-25	Bobick	A	331	48
	42	4129747	1978-12-12	Pepper, Jr.	A	178	19
	43	4148014	1979-04-03	Burson	A	340	709
	44	4177354	1979-12-04	Mathews	A	178	18
	45	4177421	1979-12-04	Thornburg	A	324	61 R
	46	4198539	1980-04-15	Pepper, Jr.	A	178	18
	47	4221975	1980-09-09	Ledniczki et al.	A	307	116
	48	4224615	1980-09-23	Penz	A	340	712
	49	4232311	1980-11-04	Agneta	A	340	703
✓	50	4246452	1981-01-20	Chandler	A	200	5 A

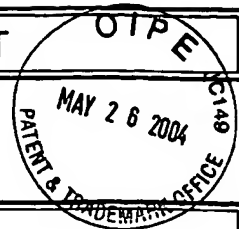
Signature

Examiner Name	Date
V. Shankar	3/3/05

## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0



## Title of Invention

OBJECT POSITION DETECTOR WITH EDGE MOTION FEATURE  
AND GESTURE RECOGNITION

Application Number: 10/810879



Confirmation Number: 9757

First Named Applicant: David Gillespie

Attorney Docket Number:

Search string: ( 4922061 or 4935728 or 4954967 or 4962342 or 4988982 or  
5016008 or 5083044 or 5093900 or 5117071 or 5119038 or  
5120907 or 5120908 or 5120996 or 5122623 or 5146049 or  
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5270711 or 5287105 or 5327161 or 5339213 or 5349303 or  
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5374942 or 5376946 or 5376948 or 5386219 or 5389745 or  
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5469191 or 5488204 or 5495077 or 5517578 or 5543588 ).pn.

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
VS	1	4922061	1990-05-01	Meadows et al.	A	178	19
	2	4935728	1990-06-19	Kley	A	340	709
	3	4954967	1990-09-09	Takehashi	A	364	518
	4	4962342	1990-10-09	Mead et al.	A	307	201
	5	4988982	1991-01-29	Rayner et al.	A	340	706
	6	5016008	1991-05-14	Gruaz et al.	A	341	33
	7	5083044	1992-01-21	Mead et al.	A	307	311
	8	5093900	1992-03-03	Graf	A	395	24
	9	5117071	1992-05-26	Greanias et al.	A	178	19
	10	5119038	1992-06-02	Anderson et al.	A	330	2
	11	5120907	1992-06-09	Shinbori et al.	A	478	18
	12	5120908	1992-06-09	Zank et al.	A	178	19
	13	5120996	1992-06-09	Mead et al.	A	307	353
	14	5122623	1992-06-16	Zank et al.	A	178	19
	15	5146049	1992-09-08	Shima	A	178	18
VS	16	5149919	1992-09-22	Greanias et al.	A	178	19

SUB\_TYPE=Information\_Disclosure\_Statement EFS\_ID=61517 APP\_ID=10810879 DOC\_TYPE=us-ids

Ex: V-Shankar / Date 3/3/05

VS	17	5153572	1992-10-06	Caldwell et al.	A	340	712
	18	5164713	1992-11-17	Bain	A	340	710
	19	5191641	1993-03-02	Yamamoto	A	395	118
	20	5194862	1993-03-16	Edwards	A	341	20
	21	5220649	1993-06-15	Forcier	A	395	148
	22	5231450	1993-07-27	Daniels	A	355	27
	23	5239140	1993-08-24	Kuroda et al.	A	178	18
	24	5252951	1993-10-12	Tannenbaum et al.	A	345	156
	25	5260697	1993-11-09	Barrett et al.	A	345	173
	26	5270711	1993-12-14	Knapp	A	341	34
	27	5287105	1994-02-15	Schlotterbeck et al.	A	341	20
	28	5327161	1994-07-05	Logan et al.	A	345	157
	29	5339213	1994-08-16	O'Callaghan	A	361	683
	30	5349303	1994-09-20	Gerpheide	A	330	257
	31	5363120	1994-11-08	Drumm	A	345	158
	32	5365254	1994-11-15	Kawamoto	A	345	157
	33	5369227	1994-11-29	Stone	A	178	18
	34	5373118	1994-12-13	Watson	A	178	19
	35	5374787	1994-12-20	Miller et al.	A	178	18
	36	5374942	1994-12-20	Gilligan et al.	A	345	157
	37	5376946	1994-12-27	Mikan	A	345	157
	38	5376948	1994-12-27	Roberts	A	345	173
	39	5386219	1995-01-31	Greanias et al.	A	345	174
	40	5389745	1995-02-14	Sakamoto	A	178	18
	41	5402151	1995-03-28	Duwaer	A	345	173
	42	5408194	1995-04-18	Steinbach et al.	A	327	62
	43	5408593	1995-04-18	Kotaki et al.	A	395	122
	44	5428367	1995-06-27	Mikan	A	345	157
	45	5455906	1995-10-03	Usuda	A	395	162
	46	5469191	1995-11-21	Smith III et al.	A	345	157
	47	5488204	1996-01-30	Mead et al.	A	178	18
	48	5495077	1996-02-27	Miller et al.	A	178	18
	49	5517578	1996-05-14	Altman et al.	A	382	181
VS	50	5543588	1996-08-06	Bissett et al.	A	178	18

Signature

Examiner Name	Date
V-Shankar	3/3/05



## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18  
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MAY 26 2004

Title of Invention

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Application Number: 10/810879



Confirmation Number: 9757

First Named Applicant: David Gillespie

Attorney Docket Number:

Search string: ( 5543591 or 5563632 or 5579036 or 5602570 or 5612719 or  
 5666113 or 5717939 or 5757368 or 5763909 or 5764224 or  
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 5880411 or 5914465 or 5942733 or 6028271 ).pn.

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

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VS	1	5543591	1996-08-06	Gillespie et al.	A	178	18
	2	5563632	1996-10-08	Roberts	A	345	173
	3	5579036	1996-11-26	Yates IV	A	345	173
	4	5602570	1997-02-11	Capps et al.	A	345	173
	5	5612719	1997-03-18	Beernick et al.	A	345	173
	6	5666113	1997-09-09	Logan	A	341	34
	7	5717939	1998-02-10	Bricklin et al.	A	395	764
	8	5757368	1998-05-26	Gerpheide et al.	A	395	339
	9	5763909	1998-06-09	Mead et al.	A	257	291
	10	5764224	1998-06-09	Lilja et al.	A	345	179
	11	5787197	1998-07-28	Beigi et al.	A	382	187
	12	5854625	1998-12-29	Frisch et al.	A	345	173
	13	5861583	1999-01-19	Scheidiwy et al.	A	178	18.06
	14	5861866	1999-01-19	Moran et al.	A	345	358
	15	5864242	1999-01-26	Allen et al.	A	326	44
	16	5880411	1999-03-09	Gillespie et al.	A	178	18.01
	17	5914465	1999-06-22	Allen et al.	A	178	18.06
	18	5942733	1999-08-24	Allen et al.	A	178	18.01
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Date 3/3/05